IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re l	J.S. Patent Application of)
WATA	NABE)
Applic	eation Number: To be Assigned)
Filed:	Concurrently Herewith)
For:	METHOD AND APPARATUS OF REMOTE COPY FOR MULTIPLE STORAGE SUBSYSTEMS)))
Attorn	ney Docket No. HITC.0003)

Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith.

This Information Disclosure Statement is submitted with the initial filing of the application. Accordingly, no fee is due or payable at this time.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Please charge any additional fees or credit any overpayments in connection with this paper to Deposit Account No. 08-1480.

Respectfully submitted,

Stanley P. Fisher

Registration Number 24,344

Juan Carlos A. Marquez-

Registration Number 34,072

REED SMITH LLP

3110 Fairview Park Drive Suite 1400 Falls Church, Virginia 22042 (703) 641-4200

March 2, 2004

Form PTO 1449	ATTY. DOCKET NUMBER HITC.0003 SERIAL NUMBER To be assigned			
U.S. Department of Commerce Patent and Trademark Office	APPLICANT Watanabe			
Information Disclosure Statement by Applicant	FILING DATE Concurrently herewith	GROUP		

U.S. Patent Documents

Examiner Initial	DOCUMENT NUMBER	DATE	Name	CLASS	SUBC LASS	FILING DATE
	2002/0038391A1	3/28/2002	Ido et al.			8/31/2001
	5,978,890	11/2/1999	Ozawa et al.			1/8/1997
	6,240,494 B1	5/29/2001	Nagasawa et al.			12/16/1998
	6,321,292 B1	11/20/2001	Ozawa et al.			8/17/1999
	6,408,370 B2	6/18/2002	Yamamoto et al.			9/9/1998
	6,236,528	5/22/2001	Katayama et al.			8/21/2000
	5,109,500	4/28/1992	Iseki et al.	1		10/28/1987
	5,689,729	11/18/1997	Inoue			7/13/1995
	6,385,681 B1	5/7/2002	Fujimoto et al.			7/21/1999
	-,,-					·

Foreign Patent Documents

Examiner	DOCUMENT NUMBER	FILING DATE	Country	CLASS	SUB-	Translation	
Initial					CLASS	YES	No

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.) "Fibre Channel Physical and Signaling Interface (FC-PH), American National Standards Institute, Inc., Rev. 4.3, June 1, 1994, pp. i-xxxiv, 1-32 "Fibre Channel Switch Fabric (FC-SW), American National Standard for Information Technology, , Rev. 3.0, February 3, 1997, pp. iii-x, 1-64 Blunden et al., "Implementing ESS Copy Services on S/390," International Business Machines Corp., December 2000, http://www.redbooks.ibm.com, pp. iii-x, 145-173 "S/390 Time Management and IBM 9037 Sysplex Timer," International Business Machines Corp., May 1999, http://www.redbooks.ibm.com, pp. iii-vii, 1-32, 55-70 Patterson et al., "A Case for Redundant Arrays of Inexpensive Disks (RAID)," University of California, 1988, pp. 109-116 Yoshida, "LUN Security Considerations for Storage Area Networks," 1999, Hitachi Data Systems, pp. 1-7 "An Introduction to MPLS," http://www.convergedigest.com/Bandwidth/archive/010910TUTORIALrgallaher1.htm, 16 pages "Multiprotocol Label Switching (MPLS) Traffic Engineering, Cisco IOS Release 12.0(5)S, pp. 1-11 "Advanced Topics in MPLS-TE Deployment," Cisco Systems, Inc. 1992-2002, pp. 1-33 Durham et al., "The COPS (Common Open Policy Service) Protocol, Network Working Group, Standards Track, January 2000, http://www.ietf.org/rfc2748.txt?number=2748, pp. 1-39 "HP OpenView Network Node Manager," Hewlett-Packard Company, Version 6.4, January 2003, 2001, pp.1-64 Clark, "IP SANs: A Guide to iSCSI, iFCP, and FCIP Protocols For Storage Area Networks," November 2001, pp. 139-141, 170-172, 185-189 "IBM TotalStorage Enterprise Storage Server Models F10 and F20," International Business Machines Corp., 2001, pp. 1-4 "Hitachi Freedom StorageTM, Software Solutions Guide," Hitachi Data Systems, pp. iv-x, 1-75 SGI Storage Area Network (SAN), Datasheet, 2001, 2 pages